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ABSTRACT OF THE DISCLOSURE

A CDMA mobile data communication system and a method of wireless data communication using the system for a mobile-to-mobile data communication in which a wireless data communication between a calling party mobile station is disclosed where a general mobile terminal without having a modem is connected with a data terminal and a called party mobile station in a mobile data communication network of CDMA system is possible. The system of the present invention which includes a plurality of mobile stations, a plurality of base stations and base station controllers, a plurality of switching centers and data network interworking units comprises the steps of inputting the identification number of a called party mobile station, establishing a first traffic channel after establishing a first call from a calling party mobile station to said data network interworking unit, calling the called party mobile station at said data network interworking unit, the step of establishing a second traffic channel after a second call from said called party mobile station to said data network interworking unit is established when a data response is transmitted from said called party mobile station and said mobile data path connection module informs said public network data path connection control

